ORIGINAL

TP-00272

NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline

Job No. PH-7101 *Map No.* TP-00272

Classification No. *Edition No.* 1

Field Edited Map

LOCALITY

State South Carolina and Georgia

General Locality Charleston to Savannah

Locality Pritchards Island

19 70 TO 19 74

REGISTRY IN ARCHIVES

DATE

☆ U.S. GOVERNMENT PRINTING OFFICE: 1972-761-152

TP-00272

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR

TO REGISTRATION

NOAA FORM 76-36A (3-72) — U. S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: [X] ORIGINAL [ ] RESURVEY [ ] REVISED

SURVEY TP- 00272

MAP EDITION NO. (1)

MAP CLASS Final(F.E.)

JOB PH- 7101

PHOTOGRAMMETRIC OFFICE: Coastal Mapping Division (Norfolk)

OFFICER-IN-CHARGE: Jeffrey G. Carlen, Cdr.

LAST PRECEEDING MAP EDITION

TYPE OF SURVEY: [ ] ORIGINAL [ ] RESURVEY [ ] REVISED

JOB PH- ____

MAP CLASS ____

SURVEY DATES: 19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE		2. FIELD
Aerotriangulation	May, 1972	Sept., 1970
Compilation	Sept. 1973	

II. DATUMS

1. HORIZONTAL: [X] 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [X] MEAN HIGH-WATER [X] MEAN LOW-WATER [ ] MEAN LOWER LOW-WATER [ ] MEAN SEA LEVEL — OTHER (Specify)

3. MAP PROJECTION: Polyconic

4. GRID(S): STATE: South Carolina; ZONE: South

5. SCALE: 1:20,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	Robert B. Kelly	Dec. 1973
	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat	PLOTTED BY	Allen	Nov. 1973
	CHECKED BY		
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:20,000	PLANIMETRY BY	C. Blood	Jan. 1974
	CHECKED BY	L.O. Neterer, Jr.	Jan. 1974
	CONTOURS BY	NA	
	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION METHOD: Smooth ink drafting SCALE: 1:20,000	PLANIMETRY BY	Charles Parker	Jan. 1974
	CHECKED BY	A.L. Shands	Jan. 1974
	CONTOURS BY	NA	
	CHECKED BY	NA	
	HYDRO SUPPORT DATA BY	Charles Parker	Jan. 1974
	CHECKED BY	A.L. Shands	Jan. 1974
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	A.L. Shands	Jan. 1974
6. APPLICATION OF FIELD EDIT DATA	BY	A.L. Shands	Jan. 1974
	CHECKED BY	F. Margiotta	May, 1974
7. COMPILATION SECTION REVIEW	BY	F. Margiotta	Aug. 1974
8. FINAL REVIEW	BY	Billy H. Barnes	Nov. 1975
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	Billy H. Barnes	March 3, 1976
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY		
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R. T. CATOR	JUN 1976

NOAA FORM 76-36A — SUPERSEDES FORM C&GS 181 SERIES

* U.S. G.P.O. 1972-769382/582 REG.#6

NOAA FORM 76-36B
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TP-00272

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC-8 "E" and "L"

TIDE STAGE REFERENCE: Savannah River Ent. (Hilton Head)
- [X] PREDICTED TIDES
- [ ] REFERENCE STATION RECORDS
- [X] TIDE CONTROLLED PHOTOGRAPHY

TYPES OF PHOTOGRAPHY LEGEND
- (C) COLOR X
- (P) PANCHROMATIC
- (I) INFRARED X

TIME REFERENCE
- ZONE: Eastern — [X] STANDARD
- MERIDIAN: 75th — [ ] DAYLIGHT

	NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
*	71 E(I)2361 - 2364	3/30/71	09:17	1:30,000	± 0.2 ft. of MHW
*	71 E-2275 - 2277	3/28/71	13:34	1:30,000	± 0.2 ft. of MLW
	70 L(C)9935A - 9937A	11/5/74	10:29	1:20,000	6.0 ft. above MLW

REMARKS

*Tide controlled infrared photography

2. SOURCE OF MEAN HIGH-WATER LINE:

Tide controlled infrared photography
The southeastern shore of Bay Point Island was surveyed by planetable methods by the field editor in 1974.

3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

Tide controlled infrared photography

4. CONTEMPORARY HYDROGRAPHIC SURVEYS *(List only those surveys that are sources for photogrammetric survey information.)*

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
No Survey	TP-00273	No Survey	TP-00271 TP-00276

REMARKS

* U.S. G.P.O. 1972-769381/568 REG.#6

NOAA FORM 76-36C
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TP-00272

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION ☐ FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		J.K. Wilson	Nov. 1970
2. HORIZONTAL CONTROL	RECOVERED BY	R.E. Kesselring	Nov. 1973
	ESTABLISHED BY		
	PRE-MARKED OR IDENTIFIED BY	R.E. Kesselring	Nov. 1973
3. VERTICAL CONTROL	RECOVERED BY	NA	
	ESTABLISHED BY	NA	
	PRE-MARKED OR IDENTIFIED BY	NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED *(Triangulation Stations)* BY	None	
	LOCATED *(Field Methods)* BY	None	
	IDENTIFIED BY	None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ *SPECIFIC NAMES ONLY* ☒ NO INVESTIGATION	BY NA	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY		
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED: Premarked

2. VERTICAL CONTROL IDENTIFIED: NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
70L(C)9856	SIN 1933		

3. PHOTO NUMBERS *(Clarification of details)*

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED: None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE

6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS: None

8. OTHER FIELD RECORDS *(Sketch books, etc.* **DO NOT** *list data submitted to the Geodesy Division)*

1-Form 152
1-Form 251

★U. S. GOVERNMENT PRINTING OFFICE: 1973--768074/1057 REGION NO. 6

NOAA FORM 76-36C
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TP-00272

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R.D. Black	Apr. 1974
2. HORIZONTAL CONTROL	RECOVERED BY	R.D. Black	Jan-Apr 1974
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	None	
3. VERTICAL CONTROL	RECOVERED BY	None	
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	None	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (*Triangulation Stations*) BY	R.D. Black	1974
	LOCATED (*Field Methods*) BY	None	
	IDENTIFIED BY		
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION — BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	R.D. Black	Apr. 1974
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	None	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED: None

2. VERTICAL CONTROL IDENTIFIED: None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (*Clarification of details*)

71E2276 and 2277

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE

6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (*Sketch books, etc.* **DO NOT** *list data submitted to the Geodesy Division*)

Four forms C&GS 526; One form NOAA 76-40.

★U. S. GOVERNMENT PRINTING OFFICE: 1973--768074/1057 REGION NO. 6

NOAA FORM 76-36D
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

TP-00272

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Manuscript complete pending field edit	1/ /74	Class III Manuscript	2/4/74	1/24/74 Field Edit
Partial field edit applied	5/ /74	Class I Manuscript Superseded		
Balance of field edit by Transfer from TP-00275	8/ /74	Class I Manuscript Superseded	9/10/74	
Final Review	11/ /75		1/30/76	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
	59174	5/22/74	Non Floating Aids

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 5/22/74
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

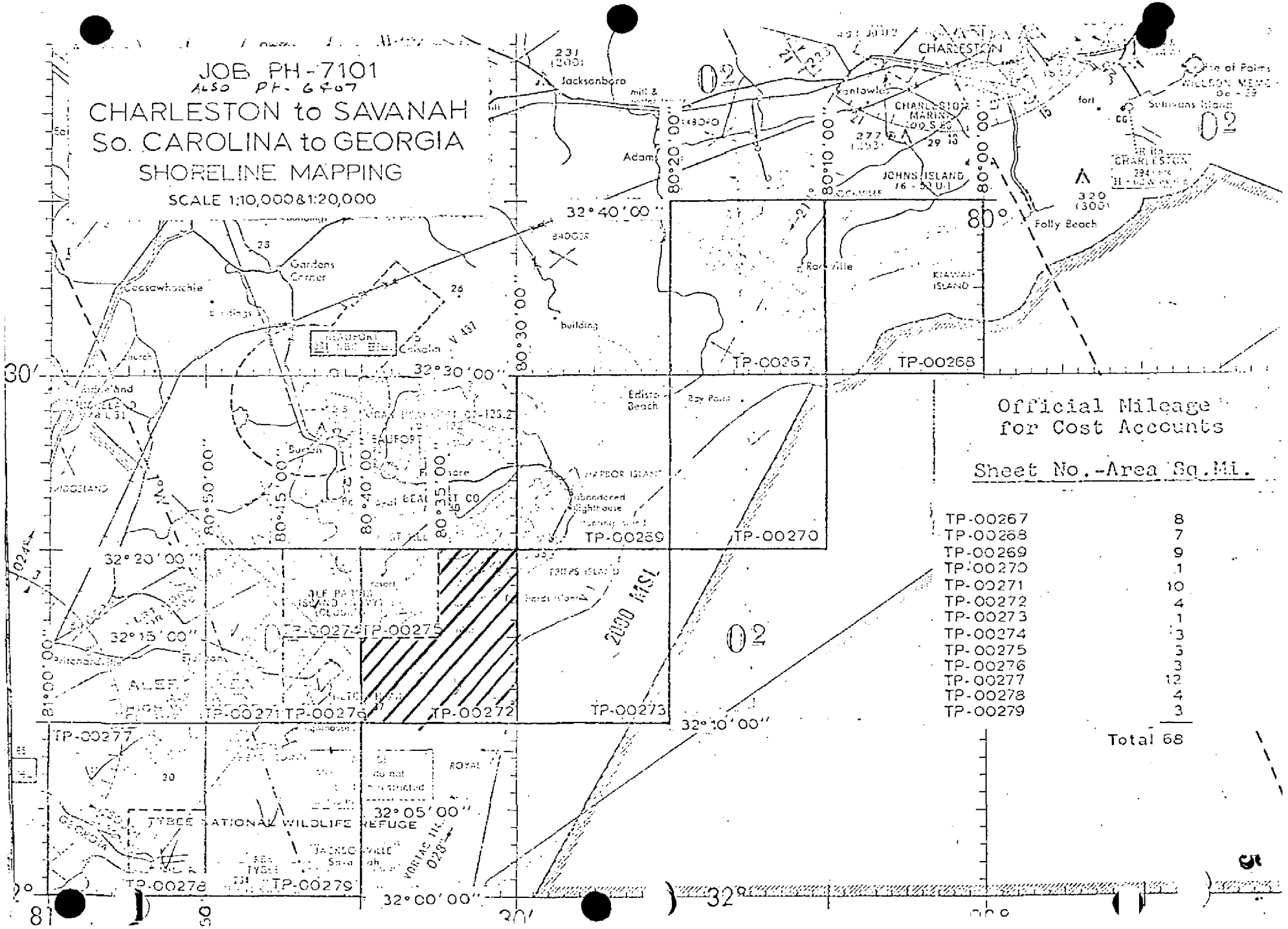
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS 76-40 ~~567~~ SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS *(This section shall be completed each time a new map edition is registered)*

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL
THIRD EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
	TP - _____ (3)	PH- _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL
FOURTH EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
	TP - _____ (4)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL

NOAA FORM 76-36D

☆U. S. GOVERNMENT PRINTING OFFICE: 1973--778075/1077 REGION NO. 6


JOB PH-7101
ALSO PH-6407
CHARLESTON to SAVANAH
So. CAROLINA to GEORGIA
SHORELINE MAPPING
SCALE 1:10,000&1:20,000
Official Mileage for Cost Accounts
Sheet No.-Area Sq.Mi.
TP-00267 8
TP-00268 7
TP-00269 9
TP-00270 1
TP-00271 10
TP-00272 4
TP-00273 1
TP-00274 3
TP-00275 3
TP-00276 3
TP-00277 12
TP-00278 4
TP-00279 3
Total 68
CHARLESTON
Jacksonboro
Folly Beach
Edisto Beach
Bay Point
Gardens Corner
Cocsawhatchie
Ravenel
Adams Run
JOHNS ISLAND
KIAWAH ISLAND
Rockville
Sullivans Island
Isle of Palms
TYBEE NATIONAL WILDLIFE REFUGE
2000 MSL
32°40'00"
32°30'00"
32°20'00"
32°15'00"
32°10'00"
32°05'00"
32°00'00"
80°30'00"
80°20'00"
80°10'00"
80°00'00"
80°50'00"
80°40'00"
80°35'00"
81°00'00"
TP-00267
TP-00268
TP-00269
TP-00270
TP-00271
TP-00272
TP-00273
TP-00274
TP-00275
TP-00276
TP-00277
TP-00278
TP-00279

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT TP-00272

This 1:20,000 scale shoreline manuscript is one of nine 1:20,000 scale and four 1:10,000 scale maps which comprise Project PH-7101, Charleston, SC to Savannah, GA. The area from 32° 15' North to 32° 20' North and 80° 35' west to 80° 40' west is covered in the report for sheet TP-00275 which is a 1:10,000 scale sheet which has its limits entirely within sheet TP-00272. PH-7101 is one of several projects that make up the Southern Coastal Plains Expedition, SCOPE. It is not a standard shoreline survey because compilation was limited to the ocean shoreline and only a limited amount of interior detail. Shoreline of bays, inlets, canals or rivers that may be within the geographic limits of this map were not delineated. This deviation from written instructions was brought about by verbal instructions telephoned from the Rockville Office to the Chief, Coastal Mapping Section, AMC.

Field work prior to compilation consisted of premarking horizontal control for bridging.

Analytic aerotriangulation was done in the Rockville office in 1973 using the 1:40,000 scale color bridging photography dated November 1970. Bridge points were dropped common to the 1:30,000 scale March 1971 infrared photography for ordering ratios.

Compilation was done at the Atlantic Marine Center in January 1974. The area covered by TP-00275 was reduced from 1:10,000 scale to 1:20,000 scale and applied to TP-00272. The balance of the manuscript was compiled by dropping shoreline pass points from the bridging photography in the Wild B-8 Plotter that was common to the 1:30,000 scale tide controlled infrared photography. The mean high water and mean low water lines were then compiled graphically from the tide controlled photography.

Field edit was done in April 1974.

Final review was done at the Atlantic Marine Center in November, 1975.

The original manuscript is a stabilene sheet 10 minutes in latitude by 10 minutes in longitude.

A stable base copy and a negative of the final reviewed manuscript were forwarded for record and registry.

Photogrammetric Plot Report
Charleston to Savannah
South Carolina and Georgia
Job PH - 710I

21. Area Covered

This report covers nine 1:20,000 sheets, TP-00267, TP-00268, TP-00269, TP-00270, TP-00271, TP-00272, TP-00273, TP-00277, TP-00279 and four 1:10,000 sheets, TP-00274, TP-00275, TP-00276, and TP-00278 from Kiawah River, South Carolina, to Tybee Island, Georgia.

22. Method

Eight strips 1:40,000 scale color photography were bridged by analytic aerotriangulation methods and adjusted to ground on South Carolina South State Plane coordinate system. Bridge points were used on 1:30,000 scale infrared photography for ratioing photographs to be used in compiling the Mean Low-and Mean High-Water Line. Ratio prints of infrared photography covering Mean Low- and Mean High-Water were ordered. (One each of cronapaque). Tie points were used to augment datum between strips. Data for plotting manuscripts for compilation were assembled for ruling and plotting by the Coradomat and Calcomp.

23. Adequacy of Control

The horizontal control provided was adequate except for Fusky (USE) 1932 sub stations A and C, which held in strip one and did not hold in strip two, because of poor image points. Also, Chan, 1933, substation A and C did not hold in strip four because of poor image points.

All other control held within the accuracy required by National Standards of Map Accuracy at 1:20,000 and 1:10,000 scale.

24. Supplemental Data

U.S. Geological Survey quadrangles were used to provide elevations for vertical adjustments of bridges.

25. Photography

RC-8 color film positives were adequate as to coverage, overlay, and definition.

Submitted by,

Robert B. Kelly

Robert B. Kelly

Approved and forwarded:

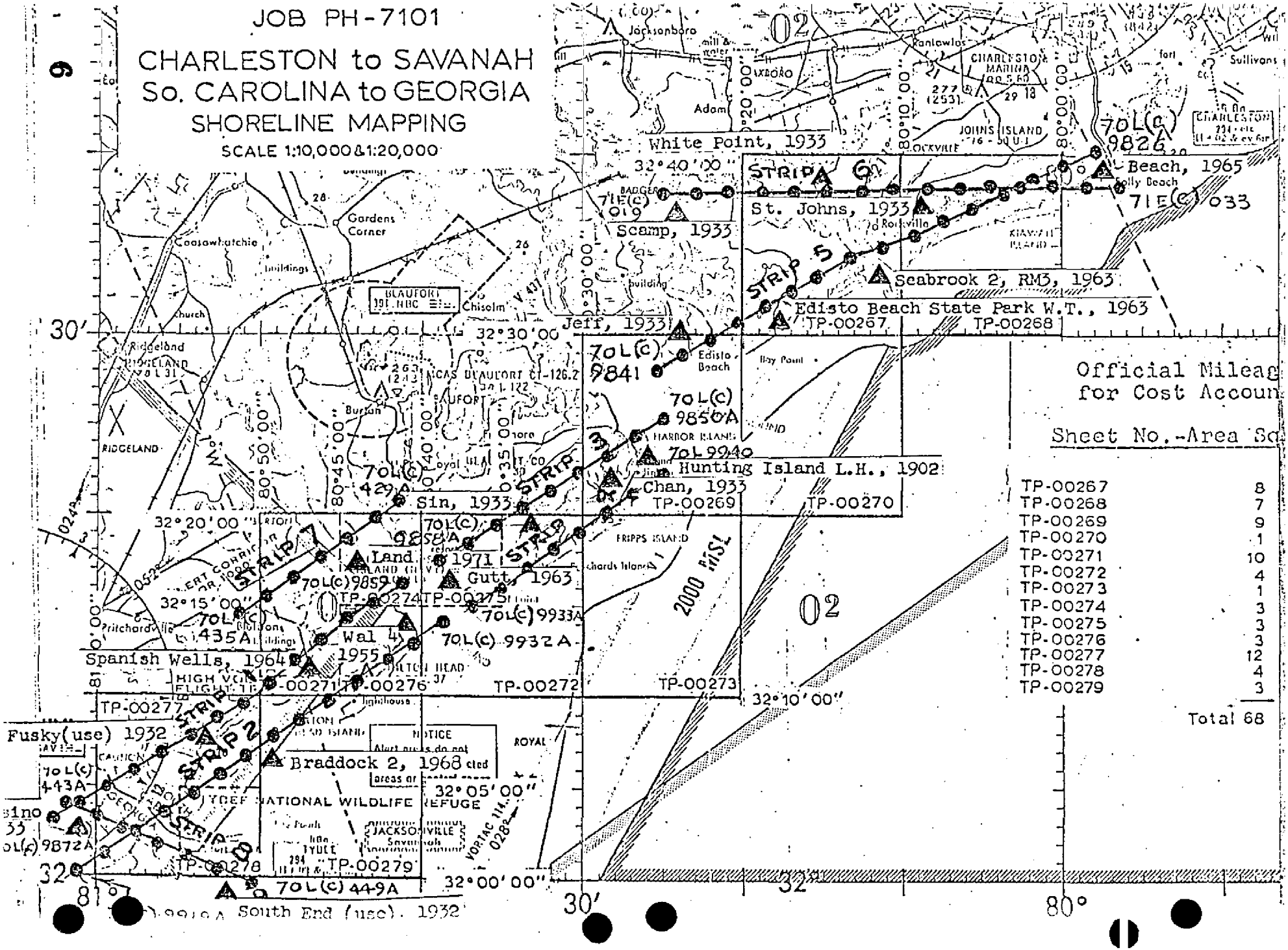
J. D. Perrow, Jr.
Chief, Aerotriangulation Section

PH-7101
Charleston to Savannah

NOTE TO COMPILER

Foreshore Cross Section points listed below were omitted during bridging. Points should be dropped during compilation.

Section II	68-01
Section VII	69-01
Section VIII	69-02
Section IX	73-01
Section XIII	79-01


JOB PH-7101
CHARLESTON to SAVANAH
So. CAROLINA to GEORGIA
SHORELINE MAPPING
SCALE 1:10,000&1:20,000
White Point, 1933
St. Johns, 1933
Scamp, 1933
Jeff, 1933
Sin, 1933
Chan, 1933
Land, 1971
Gutt, 1963
Wal 4, 1955
Spanish Wells, 1964
Fusky(use) 1932
Braddock 2, 1968
South End (use), 1932
Beach, 1965
Seabrook 2, RM3, 1963
Edisto Beach State Park W.T., 1963
TP-00267
TP-00268
Hunting Island L.H., 1902
TP-00269
TP-00270
TP-00271
TP-00272
TP-00273
TP-00274
TP-00275
TP-00276
TP-00277
TP-00278
TP-00279
STRIP 1
STRIP 2
STRIP 3
STRIP 4
STRIP 5
STRIP 6
70L(c) 9826
70L(c) 9841
70L(c) 9850A
70L(c) 9858A
70L(c) 9859
70L(c) 9933A
70L(c) 9932A
70L(c) 435A
70L(c) 429A
70L(c) 449A
70L(c) 9872A
71E(c) 019
71E(c) 033
2000 MSL
32°40'00"
32°30'00"
32°20'00"
32°15'00"
32°10'00"
32°05'00"
32°00'00"
80°45'00"
80°40'00"
80°35'00"
80°30'00"
80°25'00"
80°20'00"
80°10'00"
80°00'00"
30'
32
81°
80°
Official Mileag
for Cost Accoun
Sheet No.-Area Sq
TP-00267 8
TP-00268 7
TP-00269 9
TP-00270 1
TP-00271 10
TP-00272 4
TP-00273 1
TP-00274 3
TP-00275 3
TP-00276 3
TP-00277 12
TP-00278 4
TP-00279 3
Total 68

NOAA FORM 76-41
(6-75)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-00272	PH-7101	N.A. 1927	

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE South Carolina ZONE South	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
MOON, 1963	Vol. III Pg. 391		x=	φ 32° 16' 55.783" ✓	
			y=	λ 80° 33' 03.439" ✓	
TURTLE, 1963	Vol. III Pg. 392		x=	φ 32° 16' 27.675" ✓	
			y=	λ 80° 34' 11.597" ✓	
MORSE, 1963	Vol. III Pg. 396		x=	φ 32° 16' 18.235" ✓	
			y=	λ 80° 36' 39.571" ✓	
GUTT, 1963	Vol. III Pg. 400		x=	φ 32° 15' 53.28064" ✓	
			y=	λ 80° 38' 41.48881" ✓	
DIP, 1933	P.C. Pg. 28		x= 2,118,316.63' ✓	φ	
			y= 158,425.92' ✓	λ	
DAYBEACON SOUTH OF BULL POINT, 1964	Form 76-40 Submitted by Field editor		x=	φ 32° 14' 42.813" ✓	
			y=	λ 80° 36' 07.656" ✓	
PORT ROYAL ENTRANCE CHANNEL FRONT RANGE LIGHT 1964	Form 76-40 Submitted by Field editor		x=	φ 32° 12' 37.996" ✓	
			y=	λ 80° 35' 53.063" ✓	
STATION CREEK DAYBEACON A19,1963	Vol. III Pg. 437		x=	φ 32° 16' 42.36052" ✓	
			y=	λ 80° 38 36.42805" ✓	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
F.R. Gustafson	11/15/73	L.B. Foltz	11/15/73
LISTED BY	DATE	LISTING CHECKED BY	DATE
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

COMPILATION REPORT

TP-00272

31. DELINEATION

Delineation of all details was by graphic methods using 1:30,000 scale infrared photography taken at both mean high and mean low water. B-8 models were set using 1:40,000 scale color photography which provided control for the graphic compilation. The area west of longitude 80° 35' to longitude 80° 40' and north of latitude 32° 15' was compiled from a photographic reduction of the 1:10,000 scale TP-00275.

32. CONTROL

See the attached "Photogrammetric Plot Report," dated: Dec., 1973

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

Alongshore details were delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

The mean high and mean low water lines were delineated from the tide coordinated photographs.

36. OFFSHORE DETAILS

No statement required.

37. LANDMARKS AND AIDS

Copies of Form 76-40 for 2 non-floating aids to navigation

were forwarded to the Rockville, MD office on May 20, 1974. Form 76-40 for STATION CREEK DAYBEACON A19, 1963 was submitted with sheet TP-00275.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

See the attached Form 76-36b, item #5 of the Descriptive Report, concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement required.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with the following U.S. Geological Survey Quadrangles: ST. PHILLIPS ISLAND, SOUTH CAROLINA, dated 1956 and HILTON HEAD, SOUTH CAROLINA, dated 1956 revised 1971, both at a scale of 1:24,000.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey Chart: #571 17th edition, dated April 8, 1972, scale 1:40,000.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

Charles Parker, Carto. Aid, 1/16/74

Approved:

Albert C. Rauck, Jr.
Chief, Coastal Mapping Section, AMC

19 August 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7101 (Charleston, S. C. to Savannah, Ga.)

TP-00272

Atlantic Ocean

Bay Point

Bay Point Island

Beaufort River

Bull Point

Capers Island

Fort Fremont

Fripp Island

Joiner Bank

Lands End

Moon Creek

Morse Island Creek

Parris Island

Port Royal Sound

Pritchards Inlet

Pritchards Island

St. Helena Island

St. Phillips Island

Skull Inlet

Station Creek

Trenchards Inlet

Turtle Creek

Approved by

Chas. E. Harrington

Staff Geographer-C51x2

NOAA FORM 75-74 (2-74)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL OCEAN SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

TP-00272

1. PROJECTION AND GRIDS	2. TITLE	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
A.L.S.	A.L.S.	A.L.S.	A.L.S.

CONTROL STATIONS

5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY *(Topographic stations)*	7. PHOTO HYDRO STATIONS
(Others to be added A.L.S. to list from TP-00275)	NA	X X

8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
NA	X X	A.L.S.	A.L.S.

ALONGSHORE AREAS *(Nautical Chart Data)*

12. SHORELINE	13. LOW-WATER LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
A.L.S.	A.L.S.	A.L.S.	X X

16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
A.L.S.	X X	ALS	X X

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS
A.L.S.	NA	NA

23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
NA	NA	NA	X X

CULTURAL FEATURES

27. ROADS	28. BUILDINGS	29. RAILROADS	30. OTHER CULTURAL FEATURES
X X	X X	X X	X X

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
NA	NA

MISCELLANEOUS

33. GEOGRAPHIC NAMES	34. JUNCTIONS	35. LEGIBILITY OF THE MANUSCRIPT
A.L.S.	A.L.S.	A.L.S.

36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
A.L.S.	A.L.S.	X X	A.L.S.

40. REVIEWER	SUPERVISOR, REVIEW SECTION OR UNIT
A.L. Shands 1/18/74	Albert C. Rauck Jr. Albert O. Rauck, Jr.

41. REMARKS *(See attached sheet)* details to be added from reduction of TP-00275

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

COMPILER	SUPERVISOR
A.L. Shands(Partial edit) 5/6/74 F. Margiotta 8/ /74	Albert C. Rauck Jr.

43. REMARKS

Partial Field Edit applied from ratios 71E(I) 2276 and 2277 and field edit ozalid TP-00272. Balance of field edit applied from reduction of TP-00275

FORESHORE CROSS-SECTIONS

CHARLESTON, SOUTH CAROLINA TO SAVANNAH, GEORGIA

JOB PH-7101

Sixteen foreshore cross-sections were taken between Folly Island, South Carolina, and Tybee Island, Georgia, a linear distance of approximately seventy miles. Twelve sections were positioned from triangulation and/or traverse stations and two sections, II and XIII, were located from photo points with sun azimuths. Section IX was located from a triangulation station using a photo point for an azimuth and section VII was run parallel to a relatively long pier.

Vertical control for sections I thru VI, VIII and IX was taken from the tide staff at Edisto Beach, South Carolina. Section VII was based on a temporary tide staff installed at Harbor River Entrance, South Carolina, and a temporary tide staff placed at Skull Creek(North Entrance) provided the control for sections X and XI. The remaining sections were based on the tide staff at Savannah River Entrance, Georgia.

The proceedure, in establishing the TTBM's used to control the individual sections, was to take a level reading on a recoverable object for use as a TTBM, record it as a foresight, and then send the rodman into the water where the rod was used as a combination tide staff/level rod. After observing the water level on the rod for a period sufficient to determine a mean reading, a level reading was taken. The water level reading was subtracted from the level reading and the result entered in the field book as a backsight. Immediately, the instrument was moved, a new water level reading determined and another level reading obtained. Again the two were subtracted and the result entered as a foresight. The rodman was then sent back to the TTBM to close the loop. The entries in the field book show this proceedure reversed. This was done to avoid confusion as there didn't appear to be any adequate method of showing the actual proceedure. The remainder of the operation was straightforward leveling with an angle and distance to the mean high and low water lines thrown in.

Time differences for each section were calculated in advance to eliminate any datum correction; for example, if a minus time were indicated for a particular section, then the water level readings on the tide staff/level rod would be obtained first and the man on the controlling tide staff informed of the time of the readings. The tide staff man would then wait the calculated length of time for the section involved before reading the controlling tide staff. For plus times, the proceedure was reversed. Information was exchanged between the controlling tide staffs and the individual sections via radio. At sections I and XII, no radio communications were available. For these two sections, the controlling tide staff was read and recorded at fifteen minute intervals and the height of the water at the time of the water level readings computed at a later time.

As no specific instructions were given to the contrary, cross-section shots were taken of the foreshore at twenty, thirty, and sometimes, fifty foot intervals, depending on the length of the section. Whether they are necessary, or even wanted, is not known, but as they only took about five to ten minutes extra for each section, they were included anyway.

One typical section and three atypical sections were plotted to give the compiler an idea of what was done and to show the method of location. These sections, the field book, pricking cards, sun azimuths, color contact photographs and charts showing the individual section locations are included with this report.

Richard E. Kesselring
Survey Tech.
May 3, 1971

FIELD EDIT REPORT

TP-00272

Pritchards Island, South Carolina
PH-7101

51. METHODS

All field work was done in accordance with the AMC Manual, current Photo Instructions and Project Instructions OPR-436-WH-74, "Coasts of South Carolina and Georgia" dated November 16, 1973 addressed to Chief, Atlantic Hydrographic Party.

An inspection of all shoreline and alongshore features w as made, and all deletions, additions, corrections, and verifications are either shown or indexed on the field edit ozalid. All field edit notes are in violet ink.

The geodetic positions of the Port Royal Sound entrance channel range lights were verified by theodolite cuts.

52. ADEQUACY OF COMPILATION

Compilation of shoreline and alongshore features was generally adequate, except as noted below. Compilation will be complete when field edit notes are applied.

A groin at lat. 32° 18.4'; long. 80° 30.1' was not compiled. The "T" shaped end of this groin was compiled as a rock. The entire groin should be compiled, including the rocky end.

A landmark line of trees exists along the Pritchards Island shoreline, as noted on the field edit ozalid.

54. RECOMMENDATIONS

None.

56. GEOGRAPHIC NAMES

No discrepencies were found while editing this sheet.

57. LANDMARKS AND AIDS TO NAVIGATION

Two aids to navigation are recommended for charting. They are the Port Royal Sound entrance channel range lights. Both are triangulation stations. NOAA form 76-40 has been completed for them. Both are maintained by the U.S. Coast Guard.

58. FIELD EDITORS

Field edit was performed by Lt.(jg) Richard D. Black and Mr. Michael F. Sutphin of Photo Party 61.

Respectfully Submitted,

Richard D. Black 18 April 1974

Richard D. Black
Lt.(jg) NOAA

Chief, Photo Party 61

Report

NOAA FORM 76-40 (2-71)
PRESCRIBED BY PHOTOGRAMMETRY INSTRUCTION NO. 64.

U.S. DEPARTMENT OF COMMERCE–NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NONFLOATING AIDS [redacted] FOR CHARTS

ORIGINATING ACTIVITY
- ☐ FIELD INSPECTION
- ☐ FIELD EDIT
- ☒ COMPILATION
- ☐ FINAL REVIEW
- ☐ QUALITY CONTROL AND REVIEW

(See reverse for responsible personnel)

☒ TO BE CHARTED
☐ TO BE DELETED

ORIGINATING LOCATION: Coastal Mapping Division, Norfolk, VA

DATE: May 3, 1974

The following objects have (h[redacted]t) been inspected from seaward to determine their value as landmarks:

JOB NUMBER: PH- 7101

STATE: South Carolina

SURVEY NUMBER: T - TP-00272

DATUM: N.A. 1927

CHARTING NAME	DESCRIPTION	POSITION LATITUDE ° ′	LATITUDE ″ D.M.METERS	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P.METERS	METHOD AND DATE OF LOCATION (See instructions on reverse of this form) FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
LIGHT	Port Royal Sound Channel Range Front Light(Port Royal Entrance Channel Range Front Light, 1964)	32 12	37.996 1170.4	80 35	53.063 1389.7			Triang. Rec. 1/9/74	1240,571
LIGHT	Port Royal Sound Channel Range Rear Light(Daybeacon South of Bull Point, 1964)	32 14	42.813 1318.7	80 36	07.656 200.4			Triang.Rec. 1/10/74	1240 571

121

REVIEW REPORT TP-00272

SHORELINE

November 1975

61. GENERAL STATEMENT:

See Summary which is page six of this Descriptive Report.

The area covered by sheet TP-00275 is covered by the report submitted with that sheet.

A comparison print showing differences noted in paragraphs 62 through 65 is included with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with sheets T-12615, scale 1:20,000, dated July 1965, T-12616, scale 1:20,000, dated August 1966 and T-12619, scale 1:20,000 dated May 1966. Significant differences are shown in blue on the discrepancy print. In the area compared, TP-00272 supersedes T-12615, T-12716 and T-12619 for nautical chart construction purposes. T-12615, T-12616 and T-12619 are the latest registered prior surveys of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. Quadrangles PARRIS ISLAND, SC; HILTON HEAD, SC; and ST. PHILLIPS ISLAND, SC all dated 1956 and at a scale of 1:24,000. Significant differences are shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with H-9211 (WH-20-2-73) and H-9314 (WH-20-3-73), both dated 1973 and at a scale of 1:20,000. Significant differences are shown in purple on the comparison print.

65. COMPARISON WITH NAUTICAL CHARTS:

The area covered by this map is within the limits of NOS Charts 11516, 19th edition, dated November 1974, scale 1:40,000 and 11517, 7th edition, dated August 1974, scale 1:40,000. Significant differences are shown in red on the comparison print.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Project Instructions except as explained in Summary and meets the requirements for Bureau Standards and the National Standards of Map Accuracy.

Reviewed by:

Billy H. Barnes

Billy H. Barnes
Cartographer
November, 1975

Approved for forwarding:

Joseph W. Vonasek

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

TP-00272 20
1:20,000

COMPARISON PRINT
Blue = T-12616
Red = Chart 11516
Purple= H-9211 and H-9314
Brown = USGS Quad

32°18'
32°17'
32°16'
80°33'
80°34'
80°35'
Pond
Pond
Sand
Pond
marsh
Sand
Pritchards Inlet
MOON CREEK
MOON 1963
marsh
marsh Pond
marsh
Capers Island
TURTLE 1963
marsh
Pond
TRENCHARDS
Bull Point

TP-00272
1:20,000

21.